



AF IFW 1647/  
Dkt. 41426-A-PCT-US/JPW/BJA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ron S. Israeli et al.

Serial No.: 08/403,803 Group Art Unit: 1647

Filed: March 17, 1995 Examiner: S. Gucker

For: PROSTATE-SPECIFIC MEMBRANE ANTIGEN

1185 Avenue of the Americas  
New York, New York 10036  
June 7, 2006

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants direct the Examiner's attention to the documents identified below, item no. 3 of which is also listed on the attached Form PTO-1449 (**EXHIBIT A**). Copies of the documents identified below as items 1-3 are attached hereto as **EXHIBITS 1 to 3**, respectively:

1. Notification of Provision of Information mailed March 7, 2006 by Japanese Patent Office to applicants' Japanese representatives in connection with Japanese Patent Application No. 1994-511426 informing these Japanese representatives that a third party had submitted a "Prior Art Document List" and an English language translation of the Notification; (Exhibit 1)

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Page 2

2. Prior Art Document List submitted by a third party in connection with Japanese Patent Application No. 1994-511426 and an English language translation thereof; (Exhibit 2)
3. Chandler et al., (1986) Pteroylpolyglutamate Hydrolase from Human Jejunal Brush Borders, J. Biol. Chem., 261(2)928-933. (Exhibit 3)

Applicants note that item no. 3 above was first cited in the Prior Art Document List (item no. 2 above). The existence of the Prior Art Document List was first communicated to applicants in the March 7, 2006 Notification of Provision of Information (item no. 1 above) issued by the Japanese Patent Office in connection with Japanese Patent Application No. 1994-511426. Applicants further note that a second reference listed in the Prior Art Document List, namely Halstead et al. (1998), was previously disclosed in an Information Disclosure Statement filed August 10, 2004 in connection with the above-identified application.

This Supplemental Information Disclosure Statement is being submitted under 37 C.F.R. §1.97(d) and a check for ONE HUNDRED AND EIGHTY DOLLARS (\$180.00) is enclosed herewith. In accordance with the requirements of 37 C.F.R. §1.97(d), applicants note that each item of information identified in this Supplemental Information Disclosure Statement was first identified in the aforementioned Communication from the Japanese Patent Office in the above-identified Japanese Patent application not more than three months prior to the filing date of this Supplemental Information Disclosure Statement.

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**Information Disclosure Statement filed July 11, 1997**

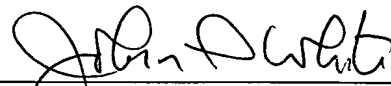
Applicants note that there are inadvertent errors in the description of certain documents listed on the PTO-1449 form submitted as part of an Information Disclosure Statement filed July 11, 1997 in connection with the above-identified application. Applicants further note that these documents have already been initialed as considered by the Examiner (see returned PTO-1449 form attached hereto as **Exhibit B**). Accordingly, applicants request that the Examiner initial the corrected PTO-1449 form attached hereto as **Exhibit C** and return a copy of the initialed, corrected PTO-1449 form to applicants. A copy of the original PTO-1449 form marked to show the changes made is attached hereto as **Exhibit D**.

If a telephone conference would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

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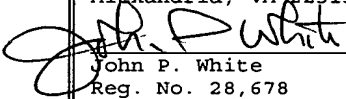
No fee, other than the enclosed \$180.00 fee, is deemed necessary in connection with the filing of this Supplemental Information Disclosure Statement. However, if any additional fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125

Respectfully submitted,



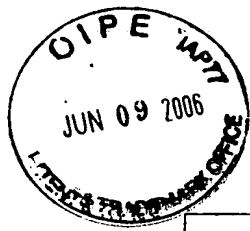
John P. White  
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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to:  
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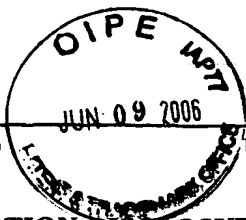
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6/17/06  
Date



<b>Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office</b>  <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)					<b>Atty. Docket No.</b> 1769/41426-A-PCT- US/JPW/BJA		<b>Serial No.</b> 08/403,803	
					<b>Applicants:</b> Ron S. Israeli et al.			
					<b>Filing Date</b> March 17, 1995		<b>Group</b> 1647	
<b>U.S. PATENT DOCUMENTS</b>								
<b>Examiner Initial</b>		<b>Document Number</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	<b>Filing Date if Appropriate</b>	
<b>FOREIGN PATENT DOCUMENTS</b>								
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							<b>Yes</b>	<b>No</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
		Chandler et al., (1986) Pteroylpolyglutamate Hydrolase from Human Jejunal Brush Borders, J. Biol. Chem., 261(2)928-933						
<b>EXAMINER</b>			<b>DATE CONSIDERED</b>					
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Applicants: Ron S. Israeli et al.  
U.S. Serial No.: 08/403,803  
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Exhibit A



#17

Sheet 1 of 4

Form PTO-1449 (Substituted)  
(REV. 8-83)

U.S. Department of Commerce  
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ATTY DOCKET NO.  
41426-A-PCT-US/JFW/MSC

APPLICATION NO.  
08/403,803

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**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>K</i>	4 5 4 1 0 1	11-19-85	Hopp, T.P. (Exhibit 1)			
<i>M</i>	5 1 6 2 5 0 4	11-10-92	Horoszewicz, J.S. (Exhibit 2)			
<i>N</i>	5 5 3 8 8 6 6	7-23-96	Israeli, R.S., et al. (Exhibit 3)			

**FOREIGN PATENT DOCUMENTS**

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						Yes No
<i>L</i>	WO 9 4 0 9 8 2 0	5-11-94	PCT (Exhibit 4)			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>L</i>	A	Abdel-Nabi, H., et al. (1992) "Monoclonal Antibodies and Radioimmunoconjugates in the Diagnosis and Treatment of Prostate Cancer", Seminars on Urology 127: 45-54 (Exhibit 5);
<i>L</i>	B	Axelrod, H. R., et al. (1968) "Preclinical Results and Humman Immunohistochemical Studies With 90Y-CYT-356: A New Prostate Cancer Therapeutic Agent" AUA 87th Annual Meeting, May 10-14, 1992 (Exhibit 6);
<i>L</i>	C	Carter, B.H. And Coffey, D.S. (1990) "The Prostate: An Increasing Medical Problem" The Prostate 16:39-48 (Exhibit 7);
<i>L</i>	D	Feng, Q., et al. (1991) "Purification and Biochemical Characterization of the 7E11-C5 Prostate Carcinoma-Associated Antigen", Proceedings of the American Association for Cancer Research 32:239 (Exhibit 8);
<i>L</i>	E	Chang, Chawnshang, et al. (1988) "Structural Analysis of Complementary DNA and Amino Acid Sequences of Human and Rat Androgen Receptors", Proc. Natl Acad. Sci USA 85:7211-7215 (Exhibit 9);
<i>L</i>	G	Culver, K.W., et al. (1992) "In Vivo Gene Transfer with Retroviral Vector-Producer Cells for Treatment of Experimental Brain Tumors", Science 256:1150-1552 (Exhibit 10);
<i>L</i>	H	Decensi, A., et al. (1991) "Phase II Study of the Pure Non-steroidal Antiandrogen Nilutamide in Prostatic Cancer", Eur J Cancer 27:1100-1104 (Exhibit 11);
<i>L</i>	I	Faber, P.W., et al. (1991) "Characterization of the Human Androgen Transcription Unit" The Journal of Biological Chemistry 266:10743-10749 (Exhibit 12);
<i>L</i>	J	Fey, Martin F., et al. (1991) "The Polymerase Chain Reaction: A New Tool for the Detection of Minimal Residual Disease in Haematological Malignancies" Eur J Cancer 27:89-94 (Exhibit 13);
<i>L</i>	K	Henttu, Pirkko and Vihko, Pirkko (1989) "cDNA Coding for the Entire Human Prostate Specific Antigen Shows High Homologies to the Human Tissue Kallikrein Genes" Biochemical and Biophysical Research Communications 160:903-910 (Exhibit 14);

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*N. Opt*

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*5/12/91*

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A	Horoszewicz, Julius S., et al. (1987) "Monoclonal Antibodies to a New Antigen Marker in Epithelial Prostatic Cells and Serum of Prostatic Cancer Patients" AntiCancer Research 7:927-936 (Exhibit 15);
B	Huber, Brian E., et al (1991) "Retroviral-mediated Gene Therapy for the Treatment of Hepatocellular Carcinoma: An Innovative Approach for Cancer Therapy" Proc. Natl. Acad. Sci. USA 88:8039-8043 (Exhibit 16);
C	Israeli, Ron S., et al. (1994) "Expression of the Prostate Specific Membrane Antigen" Cancer Research 54:1807-1811 (Exhibit 17);
D	Israeli, Ron S., et al. (1994) "Sensitive Nested Reverse Transcription Polymerase Chain Reaction Detection of Circulating Prostatic Tumor Cells: Comparison of Prostate-specific Membrane Antigen and Prostate-specific Antigen-based Assays" Cancer Research 5:6306-6310 (Exhibit 18);
E	Keer, Harold N., et al. (1990) "Elevated Transferrin Receptor Content in Human Prostate Cancer Cell Lines Assessed In Vitro and In Vivo" The Journal of Urology 143:381-385 (Exhibit 19);
F	Lopes, A. Dwight., et al (1993) "Immunohistochemical and Pharmacokinetic Characterization of the Site-specific Immunocjugate CYT-356 Derived from Antiprostata Monoclonal Antibody" Cancer Research 50: 6423-6429 (Exhibit 20);
G	Lubahn, Dennis B., et al. (1989) "Sequence of the Intron/exon junctions of the Coding Region of the Human Androgen Receptor Gene and Identification of a Point Mutation in a family with Complete Androgen Insensitivity" Proc. Natl. Acad. Sci. USA 86:9534-9538 (Exhibit 21);
H	Lundwall, Ake and Lilja, Hans., (1987) "Molecular Cloning of Human Prostate Specific Antigen cDNA" FEBS Letters 214, No. 2:317-322 (Exhibit 22);
I	Mukhopadhyay, Tapas., et al. (1991) "Sepecific Inhibitionof K-ras Expression and Tumorigenicity of Lung Cancer Cells by Antisense RNA" Cancer Research 51:1744-1748 (Exhibit 23);
J	Riegman, P.H.J., et al. (1989) "The Prostate-Specific Antigen Gene and the Human Glandular Kallikrein-1 Gene are Tandemly Located on Chromosome 19" FEBS Letters Vol 247:123-126 (Exhibit 24);
K	Sharief, Farida S., et al. "Human Prostatic Acid Phosphatase: cDNA Cloning, Gene Mapping and Protein Sequence Homology With Lysosomal Acid Phosphatase" Biochemical and Biophysical Research Communications 160:79-86 (Exhibit 25);
L	Solin, Timo., (1990) "Gene Expression and Prostate Specificity of Human Prostatic Acid Phosphatase (PAP): Evaluation By RNA Blot Analyses" Biochemica et Biophysica Acta 1048:72-77 (Exhibit 26);

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A. Gupta

5/14/91

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Form PTO-1449 (Substituted)  
(REV. 8-83)U.S. Department of Commerce  
Patent and TrademarkATTY DOCKET NO.  
41426-A-PCTUS/JPW/MSCAPPLICATION NO.  
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Ron S. Israeli, et al.FILING DATE:  
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## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	A	Troyer, John K., et al. (1994) "Biochemical Characterization and Mapping of the 7E11-C5.3 Epitope of the Prostrate Specific Membrane Antigen (PSMA)" Basic and Clinical Aspects of Prostate Cancer: Abstract C38 (Exhibit 27);
1	B	Su, S.L., et al. (1994) "Sensitive Detection of Prostatic Hematogenous Micrometastases Using Prostate Specific Antigen (PSA) and Prostate Specific Membrane Antigen (PSM) Derived parimeters in the Polymerase Chain Reaction" Proceedings of the American Association for Cancer Research 35:271 (Exhibit 28);
1	C	Vihko, Pirkko, et al (1988) "Molecular Cloning and Sequence Analysis of cDNA Encoding Human Prostatic Acid Phosphatase" FEBS Letters 236:275-281 (Exhibit 29);
1	D	Vile, Richard G. And Ian R. Hart., (1993) "In Vitro and In Vivo Targeting of Gene Expression to Melanoma Cells" Cancer Research 53:962-967 (Exhibit 30);
1	E	Israeli, Ron S., et al. (1994) "Expression of the Prostate Specific Membrane Antigen" Cancer Research 54:1807-1811 (Exhibit 31);
1	F	Waibel, R., et al. (1990) "Therapy of Small Cell Lung Cancer Xenografts in a Nude Mouse model: Evaluation of Radioimmunotherapy and Immunotoxin Therapy" Antibody Immunoconjugates and Radiopharmaceuticals 3:54 (Exhibit 32);
1	G	Watt, Kenneth W.K., et al (1986) "Human Prostate-Specific Antigen: Structural and Functional Similarity With Serine Proteases" Proc. Natl. Acad. Sci. USA 83:3166-3170 (Exhibit 33);
1	H	Wright, Jr., et al "Characterization of a New Prostate Carcinoma-Associated Marker" Antibody Immunoconjugates, and Radiopharmaceuticals 3:89 (Exhibit 34);
1	I	Young, Richard A. and Davis, Ronald W., "Efficient Isolation of Genes by Using Antibody Probes" Proc. Natl. Acad. Sci. USA 80:1194-1198 (Exhibit 35);
1	J	Israeli, R.S. et al., (1994) "Sensitive Detection of Prostatic Hematogenous Micro-Metastases Using Prostate Specific Antigen (PSA) And Prostate specific Membrane Antigen (PSM) Derived Primers in the Polymerase Chain Reaction (PCR)" J Urol 151:373A (Exhibit 36);
1	K	Israeli, R.S. et al., (1994) "Localization of the Prostate Specific Membrane Antigen (PSM) to the Putative Metastasis-Suppressor Region on Human Chromosome 11" J Urol 151:252A (Exhibit 37);

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A	Corr, J.G. et al., (1994) "Prostate Specific Membrane Antigen (PSM) Expression in Orthotopically Implanted Human Prostate Cancer Cells in Nude Mice Slows Tumor Growth and Metastatic Potential" J Urol 151:492A (Exhibit 38);
B	Israeli, R.S. et al., (1994) "Localization of the Prostate Specific Membrane Antigen (PSM) to the Putative Metastasis-Suppressor Region on Human Chromosome 11" Proceedings of the American Association for Cancer Research 35:271 (Exhibit 39);
C	Israeli, R.S. et al., (1993) "Characterization of the Prostate-Specific Membrane Antigen (PSM)" Cancer Research 54:255 (Exhibit 40);
D	Israeli, R.S. et al., (1993) "Molecular Cloning and Characterization of a Prostate-Specific Membrane Antigen" J Urol 149:471A (Exhibit 41);
E	Israeli, R.S. et al., (1992) "Purification and Molecular Cloning of a New Prostate-Specific Antigen" Cancer Research 52:356 (Exhibit 42).

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A-Cyrb

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5/6/95

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APPLICATION NO.

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Ron S. Israeli, et al.

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	4 5 5 4 1 0 1	11-19-85	Hopp, T.P. (Exhibit 1)			
	5 1 6 2 5 0 4	11-10-92	Horoszewicz, J.S. (Exhibit 2)			
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B	Su, S.L., et al. (1994) "Sensitive Detection of Prostatic Hematogenous Micrometastases Using Prostate Specific Antigen (PSA) and Prostate Specific Membrane Antigen (PSM) Derived primers in the Polymerase Chain Reaction" Proceedings of the American Association for Cancer Research 35:271 (Exhibit 28);
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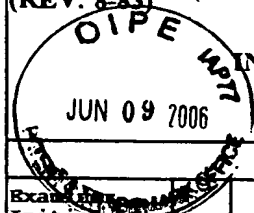
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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